Use Attainability Analysis

for

WBID 0267 Mace Creek

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

RECEIVED

Data Sheet A - Water Body Identification

2005 JUN 23 AM 7: 06

	WATER PROTECTION PROGRAM
Water Body Name:	y
(from USGS 7.5' quad) MACE CREEK	
8-digit HUC: 10240011	
Missouri WBID#: 0267	
County: Andrew	
Upstream Legal Description:	
Downstream Legal Description:	
Upstream Coordinates: (UGS 84, ddd.ddddd)	
Downstream Coordinates:	
(UGS 84, ddd.ddddd)	
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated: 3	
Name of Surveyor and Telephone Number: Rzeward Duckrow	573/751-7225
Organization: DWR-WP?	
Position: STm B3010g1st	
the undersigned hereby efficient to the heat of my linearledge, that a	all information was suited on this TIAA
the undersigned, hereby affirm to the best of my knowledge, that a atasheet is true and accurate.	ui information reported on this UAA
nasheet is ti ue and accurace.	

Signed: Date:	6/22/05
---------------	---------

Mace Creek (c) #0267 Andrew County COUNTY RD 412 STATE HWY T 0267-001 0267-002 COUNTY RD3 COUNTY RD 396 COUNTY RD 392 0267-003

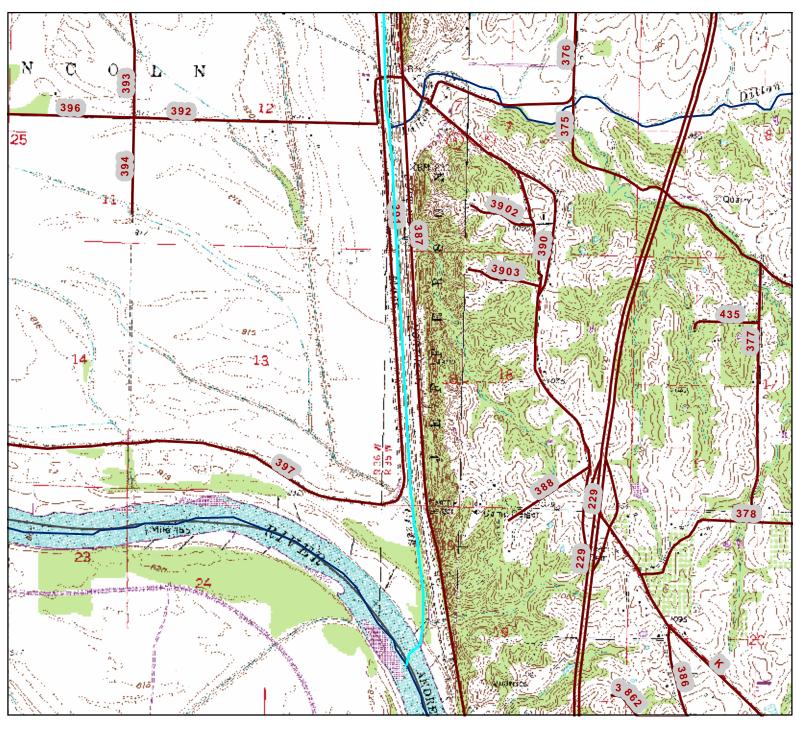


Legend

Roads
Classified Waterbodies

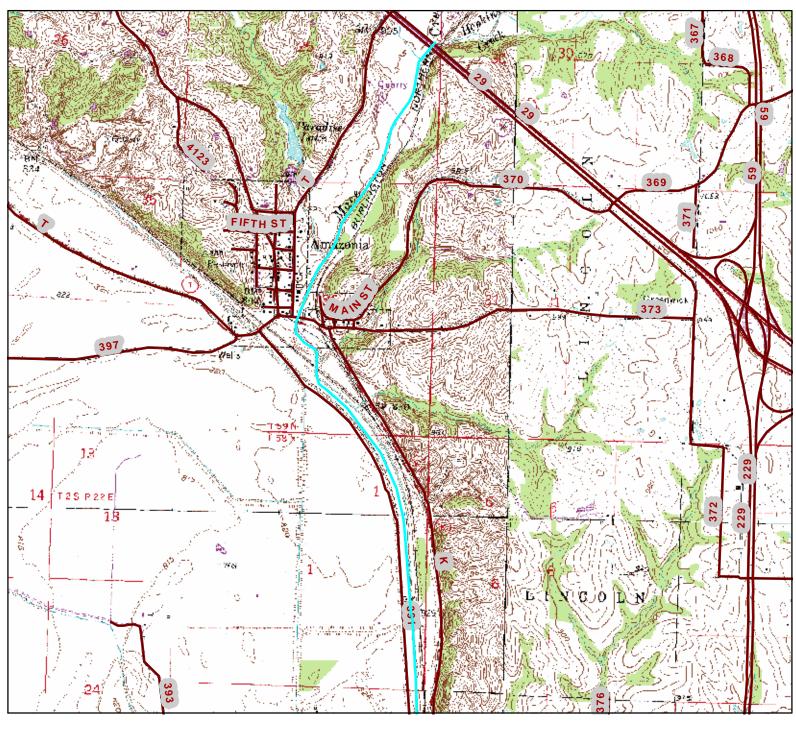
0.5 1 2

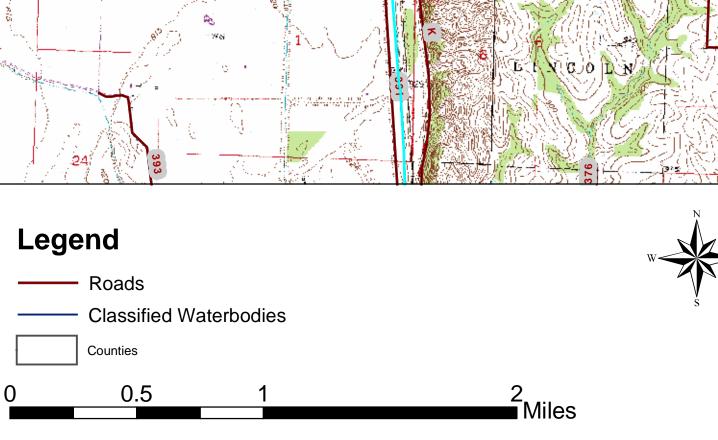
Mace Creek (C) #0267 Andrew County Part 1



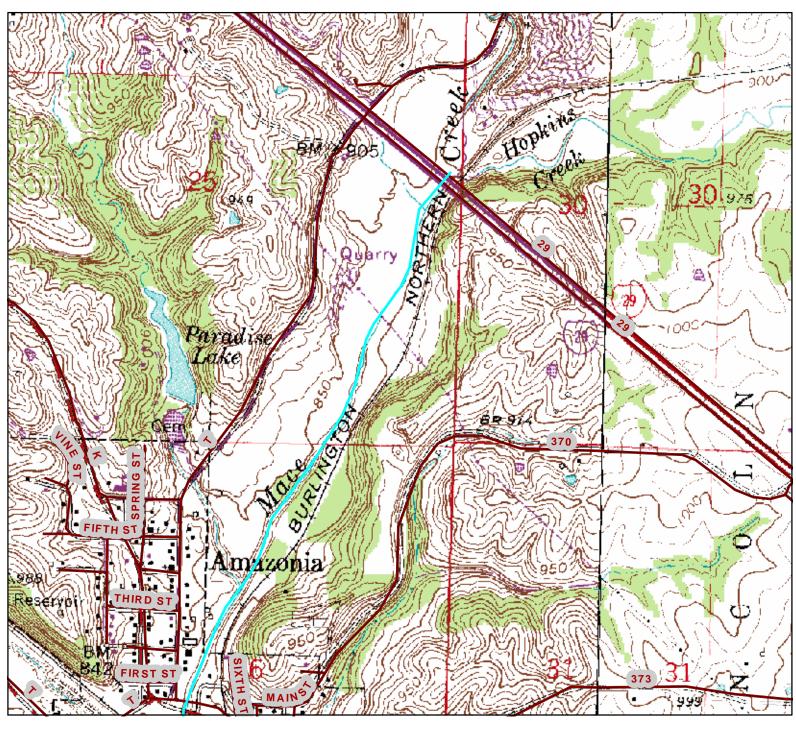


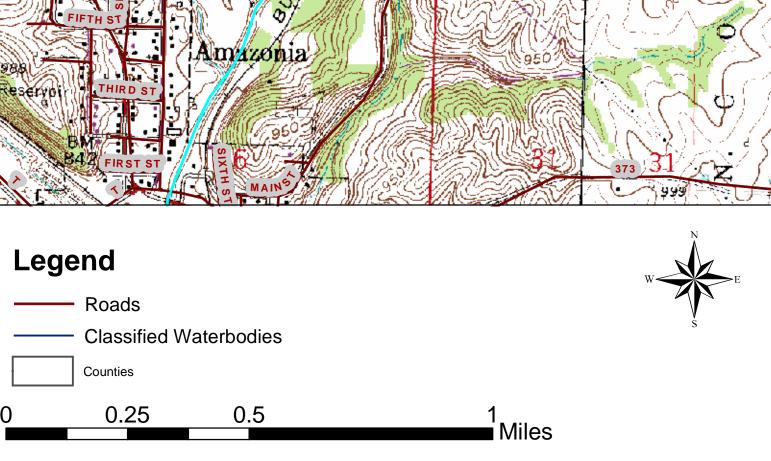
Mace Creek (C) #0267 Andrew County Part 2





Mace Creek (C) #0267 Andrew County





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

ſ	Missouri WBID #: Oak	7-0001		Site Location Des	scription:	
Ì	Site GPS Coordinates: 39	1.90110 -94.8	8012	SE PG-I.	(South bound)	
	Date & Time: 6/21/9			Facility Name:		
	Personnel:			Permit Number:		
	Current Weather Condition			Weather Condition	ons for Past 7 days: Chea	િ
	Photo Ids: Upstream:	Dow	nstream:	Other:		
Us	Preture 100 es Observed*:	oksus K from	M bound	1.5d		
		☐ Skin diving		SCUBA diving	☐ Tubing	☐ Water skiing
	☐ Wind surfing	☐ Kayaking		Boating	☐ Wading	☐ Rafting
	☐ Hunting	☐ Trapping		ishing	☐ None of the above	☐ Other:
	Describe: (include number of such states of interest.)	s*: (Mark all that p	romote or	impede recreational us	ses. Attach photos of eviden	nce or unusual
	☐ City/county parks	☐ Playgrounds	□мос	conservation lands	☐ Urban areas	☐ Campgrounds
	☐ Boating accesses	☐ State parks	☐ Nation	nal forests	☐ Nature trails	☐ Stairs/walkway
	☐ No trespass sign	☐ Fence	☐ Steep	slopes	Other:	
Ev	idence of Human Use	e*:				
	□ Roads	☐ Foot paths/prir	nts 🗆	Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
	☐ Rope swings	☐ Camping Sites		Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
	☐ Other:					

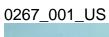
Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0367-001:

c): c): C): Yes clues should a	Length (ft): Length (ft): Length (ft): No Dimensions: Length (ft): Length (ft): Length (ft): One do up to 100%.) Gravel	Avg. Depth (Avg. Depth (Avg. Depth (Estimated (ft Avg. Depth (Avg. Depth (Avg. Depth (Falgal growth at the asset	(ft): (ft): (ft): (ft): (ft): (ft): (ft): (ft): (ft): % Silt	Max. Depth (ft):	
Yes Yes Yes Yes Yes Yes Yes Yes	Length (ft): No Dimensions: Length (ft): Length (ft): Length (ft): One dd up to 100%.) Gravel	Avg. Depth (Estimated (ft Avg. Depth (Avg. Depth (Avg. Depth (Estimated (ft)	(ft): (ft): (ft): (ft): (ft): (ft): (ft): (ft): % Silt	Max. Depth (ft): Max. Depth (ft): Max. Depth (ft): Max. Depth (ft):	
Yes Y Physical (i): (i): Yes Yes Alues should a	Dimensions: Length (ft): Length (ft): Length (ft): One of the second	Estimated (ft Avg. Depth (Avg. Depth (Avg. Depth (Estimated (ft)	(ft): (ft): (ft): (ft): (ft): % Silt	Max. Depth (ft): Max. Depth (ft): Max. Depth (ft):	
y Physical (i): (i): (i): (ii): (iv): (iv):	Length (ft): Length (ft): Length (ft): Length (ft): One of the property of t	Avg. Depth (Avg. Depth (Avg. Depth (Estimated (fi	(ft): (ft): (ft): (ft): **Silt	Max. Depth (ft):	
c): c): C): Yes clues should a	Length (ft): Length (ft): Length (ft): One of the content of th	Avg. Depth (Avg. Depth (Estimated (f)	(ft): (ft): (ft): (ft): (ft): (ft): (ft): (ft): (ft): (ft):	Max. Depth (ft):	
c): c): C): Yes clues should a	Length (ft): Length (ft): Length (ft): One of the content of th	Avg. Depth (Avg. Depth (Estimated (f)	(ft): (ft): (ft): (ft): (ft): (ft): (ft): (ft): (ft): (ft):	Max. Depth (ft):	
Yes	Length (ft): No add up to 100%.) Gravel	Avg. Depth of Estimated (fig. % Sand	(ft): t³/sec): % Silt	Max. Depth (ft):	
Yes	□ No add up to 100%.) Gravel	Estimated (f	t³/sec): % Silt		
ulues should a	add up to 100%.) Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
%	Gravel			% Mud/Clay	% Bedrock
%	Gravel			% Mud/Clay	% Bedrock
	all that apply.) ☐ Musky	☐ Chemical	☐ None	Other:	
Sewage					<u></u>
to be used so ading of wate a use analysis hereby aff d accurate	lely for removal of conditions. Consistent to the best	f a recreational use design sequently, this information conditions that need furth of my knowledge,	gnation but rathe on is not intend ther analysis or that all info	er is to provide a more ed to directly influence that effect another use.	e a . on this UAA
	Clear Sludge Oil ttach addit to be used so ding of wate a use analysis hereby aff d accurate	Clear Green Sludge Solids Coil Scum Cobe used solely for removal of ding of water conditions. Contains analysis but may point to the best daccurate.	Clear Green Gray Sludge Solids Fine sediments Oil Scum Foam ttach additional comments (including information be used solely for removal of a recreational use designing of water conditions. Consequently, this information use analysis but may point to conditions that need further to the best of my knowledge, daccurate. Date:	Clear Green Gray Milky Sludge Solids Fine sediments None Goil Scum Foam None ttach additional comments (including information from interest of be used solely for removal of a recreational use designation but ratheding of water conditions. Consequently, this information is not intend a use analysis but may point to conditions that need further analysis or hereby affirm to the best of my knowledge, that all information. Date: 62/65	☐ Clear ☐ Green ☐ Gray ☐ Milky ☐ Other: ☐ Sludge ☐ Solids ☐ Fine sediments ☐ None ☐ Other: ☐ Oil ☐ Scum ☐ Foam ☐ None ☐ Other: ☐





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#:			Site Location De	scription:	
Site GPS Coordinates: 3	11-002	50.5	1	D.O.	
D-4- 0. Ti			トルウマ 火 Facility Name:	Dic	
Personnel:	<u>5 1125</u>	Nrs.	Permit Number:	· · · · · · · · · · · · · · · · · · ·	
		10 hrs	<u> </u>	6 . D . 7 1	
Current Weather Conditio	<u> </u>			ons for Past 7 days:	2
Photo Ids: Upstream:	0-0035 Dow	nstream: ۱0	O-0026 Other	100-0031	
•	9600 P		55DE0FBR 200mED) 00.30	·	
☐ Swimming	☐ Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□ Во	ating	Wading	☐ Rafting
☐ Hunting	☐ Trapping	Fis	hing	Wone of the above	☐ Other:
crews the contract of the cont			TUNERY	- SECO-001	Fightne "
Surrounding Conditions tems of interest.)	s*: (Mark all that p	promote or in	ipede recreational u	ses. Attach photos of evider	nce or unusual durera
☐ City/county parks	☐ Playgrounds	☐ MDC co	onservation lands	☑ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ Nationa	l forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep sle	opes	Other:	
Evidence of Human Use	* *•				
Roads	Foot paths/pri	nts 🗆 1	Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	s 🗆 1	Fire pit/ring	☐ NPDES Discharge	Fishing Tackle
Other: 3 your	wad zwe zw	SLEENU			

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # Oak - ooz:

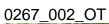
pstream View	(ft)	Length (ft):	Avg. Depth (ft): 🧸 🐧	Max. Depth (f)	t): o.a′
		Length (ft): 2.	Avg. Depth (Max. Depth (f	
Run Width				0> 1	Max. Depth (f	
	(ft): 15'	Length (ft):	Estimated (ft	3/>		7. O.2
Flow Preser	t?. ☑ Yes	□ No	Estimated (It	7sec): 3-5	cts	
ownstream Vi	ew Physical	Dimensions:				
☐ Riffle Width	(ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (f	t):
⊠ Run Width	(ft): 20'	Length (ft): 3	Avg. Depth (ft): ~ 0.2	Max. Depth (f	t):
□ Pool Width	(ft):	Length (ft):	Avg. Depth (Max. Depth (f	t):
☑ Flow Presen	nt? ☑ Yes	□ No	Estimated (ft	3/sec): 3-5	-fs	
	1.1	- 14 4 - 1000/)				
ostrate*: (These	e 30 %	6 Gravel Schar	A % Sand 30	% Silt ,	% Mud/Clay	% Bedrock
			algal growth at the asse	ssment site)		
iter Character	stics*: (Mark	all that apply.)			□ Other:	
iter Character Odor:	stics*: (Mark ☐ Sewage	all that apply.)	☐ Chemical	☑ None	Other:	
iter Character Odor: Color:	stics*: (Mark □ Sewage ☑ Clear	all that apply.) Musky Green	☐ Chemical	☑ None	☐ Other:	
ter Character Odor: Color: Bottom Deposit:	stics*: (Mark ☐ Sewage ☐ Clear ☐ Sludge	all that apply.) Musky Green Solids	☐ Chemical ☐ Gray ☑ Fine sediments	☑ None ☐ Milky ☐ None	☐ Other:	
Odor: Color: Bottom Deposit: Surface Deposit:	stics*: (Mark Sewage Clear Sludge	all that apply.) Musky Green Solids Scum	☐ Chemical ☐ Gray ☐ Fine sediments ☐ Foam	✓ None ☐ Milky ☐ None ✓ None	☐ Other: ☐ Other: ☐ Other:	
Odor: Color: Bottom Deposit: Surface Deposit:	stics*: (Mark Sewage Clear Sludge	all that apply.) Musky Green Solids Scum	☐ Chemical ☐ Gray ☑ Fine sediments	✓ None ☐ Milky ☐ None ✓ None	☐ Other: ☐ Other: ☐ Other:	Form.
Odor: Color: Bottom Deposit: Surface Deposit:	stics*: (Mark	all that apply.) Musky Green Solids Scum tional comments	☐ Chemical ☐ Gray ☐ Fine sediments ☐ Foam (including informate a recreational use designate of the content of	✓ None ☐ Milky ☐ None ✓ None ion from intendention but rathe	Other: Other: Other:	ore
Odor: Color: Bottom Deposit: Surface Deposit: mments: Pleas	stics*: (Mark	all that apply.) Musky Green Solids Scum tional comments plely for removal of er conditions. Cons	☐ Chemical ☐ Gray ☐ Fine sediments ☐ Foam (including information a recreational use designmently, this information	✓ None ☐ Milky ☐ None ✓ None tion from intendention but rather is not intendention.	Other: Other: Other: Other:	ore nce a
Odor: Color: Bottom Deposit: Surface Deposit: mments: Pleas his information is raprehensive under ision on the recrea	stics*: (Mark	all that apply.) Musky Green Solids Scum tional comments olely for removal of er conditions. Consist but may point to consist but may be a consist but may be a consist but may be a consist but ma	☐ Chemical ☐ Gray ☐ Fine sediments ☐ Foam (including information a recreational use design equently, this information on ditions that need further the conditions the conditions that need further the conditions the con	✓ None ☐ Milky ☐ None ☐ None tion from intendent is not intendent analysis or	Other: Other: Other: Other:	ore nce a use.
Odor: Color: Bottom Deposit: Surface Deposit: mments: Please his information is reprehensive under ision on the recreate the undersigne	stics*: (Mark	all that apply.) Musky Green Solids Scum tional comments olely for removal of er conditions. Consists but may point to confirm to the best	☐ Chemical ☐ Gray ☐ Fine sediments ☐ Foam (including information a recreational use designmently, this information	✓ None ☐ Milky ☐ None ☐ None tion from intendent is not intendent analysis or	Other: Other: Other: Other:	ore nce a use.
Odor: Color: Bottom Deposit: Surface Deposit: mments: Pleas his information is r hiprehensive under ision on the recrea the undersigne tasheet is true	stics*: (Mark	all that apply.) Musky Green Solids Scum tional comments plely for removal of er conditions. Consists but may point to confirm to the best ee.	☐ Chemical ☐ Gray ☐ Fine sediments ☐ Foam (including informate a recreational use design equently, this information conditions that need furth of my knowledge,	✓ None ☐ Milky ☐ None ☐ None tion from intendent is not intendent analysis or that all information.	Other: Other: Other: Other: erviews) to this fer is to provide a moded to directly influe that effect another unation reporte	ore nce a use. ed on this UAA
Odor: Color: Bottom Deposit: Surface Deposit: mments: Please his information is reprehensive under ision on the recreate the undersigne	stics*: (Mark	all that apply.) Musky Green Solids Scum tional comments olely for removal of er conditions. Consists but may point to confirm to the best	☐ Chemical ☐ Gray ☐ Fine sediments ☐ Foam (including informate a recreational use design equently, this information conditions that need furth of my knowledge,	✓ None ☐ Milky ☐ None ☐ None tion from intendent is not intendent analysis or that all information.	Other: Other: Other: Other:	ore nce a use. ed on this UAA





0267_002_OT







Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#:	E00-10		Site Location Des	scription:	
Site GPS Coordinates: 30	7.86012 -94.	58140	CORD 391	Hund K Crossone	R 38
Date & Time: Oblav	05 1145 hm	5 .	Facility Name:		
Personnel:			Permit Number:		
Current Weather Condition	ons: PC		Weather Condition	ons for Past 7 days:	R
Photo Ids: Upstream: 10	0-0027 Dow	nstream:	Other:		
Uses Observed*:					
Swimming	☐ Skin diving	□ Se	CUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□в	oating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	□ Fi	shing	☑ None of the above	☐ Other:
Surrounding Condition items of interest.)	s*: (Mark all that p	romote or i	mpede recreational us	ses. Attach photos of eviden	nce or unusual
☐ City/county parks	☐ Playgrounds		conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ Nation	al forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☑ Steep s	lopes (Levers)	Other: Rural - C	owcrep land
Evidence of Human Us	e*:				
☐ Roads	☐ Foot paths/prir	nts 🗆	Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
Other:					

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0267.003:

☐ Riffle Width	(ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
Run Width	(ft): 8'	Length (ft): ع	Avg. Depth (ft): >2.0'	Max. Depth (ft):	72.5
□ Pool Width	(ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
Flow Preser	t? 🗹 Yes	□ No	Estimated (ft	³ /sec): \0 - \	5 c#5.	
Downstream Vi	ow Dhysiaal	Dimanciance				
☐ Riffle Width		Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
☑ Run Width	· · · · · · · · · · · · · · · · · · ·	Length (ft):	Avg. Depth (ft): \.S'	Max. Depth (ft):	72.0'
☐ Pool Width		Length (ft):	Avg. Depth (Max. Depth (ft):	
☐ Flow Preser		□ No	Estimated (ft	³ /sec):	5 cL 5	
ostrate*: (These % Cobb		add up to 100%.) % Gravel 20	% Sand 70	% Silt \C	% Mud/Clay	% Bedrock
		ount of vegetation or	algal growth at the asse	ssment site)		
Swall Bearing to	2 25		algal growth at the asse	ssment site)	Other:	
Sural Beautic Te	ನ್ stics*: (Mark	c all that apply.)			☐ Other:	
Swall were of the state of the	ರ್ stics*: (Mark 🗆 Sewage	c all that apply.)	☐ Chemical	☑ None		
Sware Roots Ster Characteri Odor: Color:	stics*: (Mark	c all that apply.) ☐ Musky ☑ Green	☐ Chemical	☑ None	Other:	
ater Characteriodor: Color: Bottom Deposit: Surface Deposit: mments: Please his information is no inprehensive understaision on the recreate the undersigned tasheet is true	stics*: (Mark Sewage Clear Clear Coil attach addi to be used se tanding of wat ion use analys:	all that apply.) Musky Green Solids Scum tional comments olely for removal of er conditions. Consists but may point to confirm to the best	☐ Chemical ☐ Gray ☐ Fine sediments ☐ Foam (including informate a recreational use design equently, this information onditions that need furth of my knowledge, to the sediment of the sedime	✓ None ☐ Milky ☐ None ✓ None ion from internation but rather on is not intendenter analysis or the	Other: Other: Other: rviews) to this form is to provide a more d to directly influence and effect another use.	1





0267_003_DS